

Recombinant Full Length *Oryza Sativa* Subsp. Japonica Potassium Channel Kat1(Os02G0245800, Loc_Os02G14840) Protein, His-Tagged

Cat. No. RFL19178OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. japonica Potassium channel KAT1(Os02g0245800, LOC_Os02g14840) Protein (Q6K3T2) (1-718aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
ProteinLength	Full Length (1-718)
Form	Lyophilized powder
AA Sequence	MTQAHSKSCFHQFWDGLQIKRSSDSFTVELLP SLGATINHSNKLQKFIISPYDPRYRS WE LFLIVLVVYSAWICPFELAFRLDLP SKLLLVENIVDIFFAIDIVLTFFVAYVDSKTHLL V DDRKRIAMRYLSTWFIFDVCSTAPFQPIILLFTHKGN DIAFKVLNLLRLWRLHRVSSL FA RLEKDIRFNFWTRCSKLISVTLFAVHCAGCFNYMIADRYPNPEKTWIGAVMSTF RSESL WTRYITALYWSITTLTTTGYGDLHAENPTEMLFDIVYMMFNLGLTAYLIGNMT NLVVHGT SRTRKFRDSIQAASEFAARNQLPENIKQQVLSHFCLQFKTEGLNQQVML DCLPKGIRSSI AYSLFFPIIRQAYLFNGVSGNFIAELVMEVQAEYFPPKEDIILQNEGE ADVYIVVSGAVN IITTIHGNEQVYEKIAEGEMFGEVGS LCNIPQPFTCRTAELSQLLRI SKTRLREIIEENR EDSNILMNNLVQKLKLRESLPDMNQPD RRFLSKYELFHVPREAW LLKKSQQLHYTEHTSRD SSNNTPVFGGDRYSRQLLGEAT RSSASENENSSMTDKEE

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NHDEVHTNCEIKKRTEEHC IQ INSEDSSTYSQRTMNATVQTGSPHKTEENITRRIP
 DEYYIKEANKRVTIHKYRHNSTVS AAQNGKLIKLP TSLEELFKIGSQKFQGFHPRKVV
 SRDYAEIDDVSVIRDGDHFLFLEM

Purity Greater than 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name Os02g0245800

Synonyms Os02g0245800; LOC_Os02g14840; OJ1134_F06.17; OSJNBa0090H18.7; Potassium channel KAT1

UniProt ID [Q6K3T2](#)

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